

Dimensions mm[inch]
tolerances acc. to DIN ISO 2768-m
 Toleranzen gem. DIN ISO 2768-m

Layout
Top view
 Draufsicht

Isometric
Scale 2:1
 Maßstab 2:1

Marking
according to EN60062/factory code
 gem. EN60062/Fertigungsstätte

MEDER electronic
 SIL24-1A31-71M
 YW/P

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		1.800	2.000	2.200	Ohm
Coil voltage			24		VDC
Rated power			288		mW
Coil current			12		mA
Thermal resistance	max. Relay temperature = operating temperature + self heating		95		K/W
Inductance			220		mH
Pull-In voltage				19,8	VDC
Drop-Out voltage		3,6			VDC

Contact data 31	Conditions	Min	Typ	Max	Unit
Contact-material	independent on position			Hg	
Switching suitability				bounce free	
Contact rating	Any DC combination of V & A up to 500V max. 50W, with 1000V max. 5W			50	W
Switching voltage	DC or Peak AC			500	V
Switching current	DC or Peak AC			2	A
Carry current	DC or Peak AC			2	A
Contact resistance static	Measured with 40% overdrive Start Value			80	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	100			GOhm
Breakdown voltage	according to IEC 255-5	1.500			VDC
Operate time incl. bounce	measured with 40% overdrive			1,2	ms
Release Time	measured with no coil excitation			1	ms
Capacity	@ 10 kHz across open switch		0,3		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Dielectric Strength Coil/Contact	according to EN 60255-5	2			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC measuring voltage	1			TOhm
Housing material		epoxy resin			
Connection pins		CuFe2P, tin plated			
Magnetic Shield		yes			
Reach / RoHS conformity		no			
Remark		Check conditions at high packing density! (Rth)			



Products for tomorrow...

Europe: +49 / 7731 8399 0 | Email: info@meder.com
USA: +1 / 508 295 0771 | Email: salesusa@meder.com
Asia: +852 / 2955 1682 | Email: salesasia@meder.com

Item No.:
3324131271
Item:
SIL24-1A31-71M

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine, duration 11ms, in 3 axis			50	g
Vibration	from 10 - 2000 Hz			20	g
Operating temperature		-20		55	°C
Storage temperature		-35		95	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability					fully sealed

General data	Conditions	Min	Typ	Max	Unit
Total weight			2,4		g
Packaging					tube per 25 pcs.

Modifications in the sense of technical progress are reserved

Designed at: 26.08.08 Designed by: THAUKE
Last Change at: 28.09.11 Last Change by: THAUKE

Approval at: 27.08.08 Approval by: JHEYDER
Approval at: 28.09.11 Approval by: CRUF

Version: 5